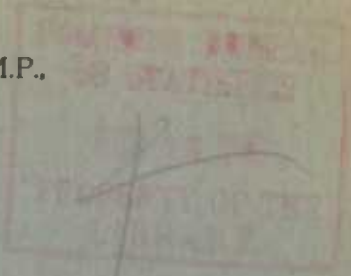


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Minister of Trade and Commerce.

CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
MINING, METALLURGICAL & CHEMICAL BRANCH

THE INKS INDUSTRY

1940



OTTAWA
1941

Price 15 cents

Dominion Statistician:	R. H. Coats, LL.D., F.R.S.C., F.S.S. (Hon.)
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ANNUAL INDUSTRY REPORTCHEMICALS AND ALLIED PRODUCTS GROUPTHE INKS INDUSTRY, 1940

Output of printing inks in 1940 was reported at 9,793,866 pounds valued at \$2,984,333 as against 9,155,170 pounds at \$2,692,717 for last year, and the value of writing inks was \$277,391 compared with \$255,011 in 1939.

Printing inks were manufactured in 18 different plants in 1940, distributed by provinces, as follows: 3 in Quebec, 14 in Ontario and 1 in British Columbia. The total production of these concerns was valued at \$3,267,499, including some printers' rollers and other products as well as printing inks. Employees numbered 474 and salaries and wages for the year amounted to \$944,210. Materials for manufacturing cost \$1,354,897 and fuel and electricity cost \$41,969 delivered at the works. Output included 9,793,866 pounds of printing inks at \$2,984,333, printers' rollers at \$223,373 and miscellaneous products worth \$59,793.

Four other establishments, 1 in New Brunswick, 1 in Manitoba, and 2 in Quebec, made printers' rollers only. Only 13 workers were employed in these plants and their output of rollers was valued at \$52,396.

Writing inks were made in 3 factories in Quebec, 6 in Ontario, 1 in Manitoba, and 1 in British Columbia, a total of 11 establishments, which employed 98 persons and made goods valued at \$479,284. Production included writing inks at \$276,330, mucilage and paste at \$63,452 and miscellaneous articles at \$139,502.

For the entire group, there were 33 establishments which employed 585 workers and produced goods valued at \$3,799,179.

Imports of printing inks amounted to 665,560 pounds valued at \$320,241 in 1940, and writing inks brought in from other countries were appraised at \$27,239.

Table 1 - PRINCIPAL STATISTICS OF THE INKS INDUSTRY, 1929 - 1940

Year	No. of plants	Capital employed	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
		\$		\$	\$	\$	\$
1929	22	2,597,263	392	785,778	29,313	1,097,315	3,038,049
1930	22	2,457,833	376	743,704	26,033	995,253	2,559,316
1931	23	2,319,662	370	709,375	26,320	732,112	2,309,062
1932	24	2,496,373	373	671,625	30,567	737,023	2,153,632
1933	23	2,393,155	394	643,033	31,313	758,700	2,106,433
1934	23	2,536,617	433	705,792	32,539	959,826	2,411,001
1935	21	2,723,372	495	777,291	35,461	1,081,395	2,833,853
1936	33	2,965,163	533	855,722	37,863	1,225,072	3,082,042
1937	31	2,921,173	520	882,449	37,053	1,273,720	3,270,503
1938	31	2,764,654	530	916,535	38,108	1,250,000	3,130,930
1939	33	2,944,271	543	956,165	41,842	1,465,418	3,454,951
1940	33	2,671,482	585	1,073,473	47,304	1,601,638	3,799,179

NOTE: Profits or losses cannot be calculated from above figures as data are not available for general expense items, such as, interest, rent, depreciation, taxes, insurance, advertising, etc.

Table 2 - PRINCIPAL STATISTICS, BY SUB-GROUPS, 1936 - 1940

Year	No. of plants	Capital employed	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
		\$		\$	\$	\$	\$
<u>PRINTING INKS AND PRINTERS' ROLLERS</u>							
1936	22	2,574,704	428	749,260	32,827	1,025,365	2,641,952
1937	21	2,525,284	418	776,252	32,537	1,035,932	2,833,250
1938	21	2,453,769	435	810,937	33,771	1,058,413	2,759,149
1939	22	2,613,396	448	854,849	37,406	1,245,275	2,997,107
1940	22	2,555,317	487	938,938	42,852	1,362,563	3,319,895
<u>WRITING INKS</u>							
1936	11	330,464	105	106,362	5,036	198,407	440,110
1937	10	385,839	102	103,196	4,483	212,731	432,243
1938	10	327,885	95	107,598	4,337	211,587	421,841
1939	11	330,875	95	101,313	4,436	220,143	457,844
1940	11	316,165	98	107,483	4,752	239,305	479,284
<u>T O T A L</u>							
1936	33	2,965,168	533	855,722	37,863	1,225,072	3,082,042
1937	31	2,921,173	520	882,449	37,053	1,273,720	3,270,506
1938	31	2,764,654	530	918,535	38,108	1,250,000	3,180,990
1939	33	2,944,271	543	956,165	41,842	1,465,418	3,454,951
1940	33	2,671,482	585	1,076,473	47,604	1,601,668	3,799,179

Table 3 - PRINCIPAL STATISTICS, BY PROVINCES, 1939 and 1940

Year	No. of plants	Capital employed	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
		\$		\$	\$	\$	\$
<u>1 9 3 9</u>							
Quebec	9	313,008	31	103,003	4,100	137,414	421,174
Ontario	19	2,550,468	436	325,392	36,512	1,228,037	2,928,914
Manitoba	2)						
New Brunswick	1)	80,795	24	27,770	1,230	49,917	94,863
British Columbia	2)						
CANADA	33	2,944,271	543	956,165	41,842	1,465,418	3,454,951
<u>1 9 4 0</u>							
Quebec	8	303,935	33	111,777	4,538	226,736	476,789
Ontario	20	2,284,737	479	925,261	41,738	1,327,285	3,232,576
Manitoba	2)						
New Brunswick	1)	79,810	23	29,435	1,278	47,847	89,314
British Columbia	2)						
CANADA	33	2,671,482	585	1,076,473	47,604	1,601,668	3,799,179

Table 4 - CAPITAL EMPLOYED, BY PROVINCES, 1939 and 1940

Provinces	Present value	Inventory value	Operating capital	TOTAL CAPITAL EMPLOYED
	of lands, build- ings, machinery, tools and other equipment	of materials, fuel, and finished prod- ucts on hand and stocks in process	(cash, bills and accounts receiv- able, prepaid ex- penses, etc.)	
	\$	\$	\$	\$
<u>1939</u>				
Quebec	114,161	74,408	124,439	313,008
Ontario	1,295,285	678,222	578,931	2,550,468
Other provinces	37,745	26,391	16,659	80,795
CANADA	1,447,191	779,021	719,059	2,944,271
<u>1940</u>				
Quebec	122,454	91,425	95,056	306,935
Ontario	951,069	724,790	608,878	2,284,737
Other provinces	37,470	28,393	13,947	79,810
CANADA	1,110,993	844,608	715,881	2,671,482

Table 5 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1939 and 1940

Provinces	Average number of employees				TOTAL	Salaries	Wages	TOTAL SALARIES and WAGES
	On salaries		On wages					
	Male	Female	Male	Female				
					\$	\$	\$	
<u>1939</u>								
Quebec	20	9	37	15	81	46,322	56,681	103,003
Ontario	144	39	244	11	438	523,375	302,017	825,392
Other provinces	9	1	14	..	24	15,359	12,411	27,770
CANADA	173	49	295	26	543	585,056	371,109	956,165
<u>1940</u>								
Quebec	18	11	35	19	83	51,508	60,269	111,777
Ontario	155	45	265	14	479	598,167	337,094	935,261
Other provinces	9	1	13	..	23	16,933	12,472	29,435
CANADA	182	57	313	33	585	666,638	409,835	1,076,473

Table 6 - WAGE-EARNERS, BY MONTHS, 1939 and 1940 (On the last work-day of each month)

Months	1939			1940		
	Male	Female	TOTAL	Male	Female	TOTAL
January	294	25	319	308	27	335
February	294	25	319	307	29	336
March	296	28	324	311	29	340
April	292	26	318	313	32	345
May	293	28	321	315	33	348
June	291	26	317	311	33	344
July	291	26	317	313	34	347
August	295	28	323	314	34	348
September	292	21	313	310	34	344
October	294	21	315	313	33	346
November	304	27	331	312	32	344
December	304	25	329	312	32	344
AVERAGE	295	26	321	313	33	346

Table 7 - FUEL AND ELECTRICITY USED, 1939 and 1940

Kinds	Unit of measure	1 9 3 9		1 9 4 0	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Bituminous coal - Canadian	short ton	167	1,080	131	1,084
Imported	short ton	1,112	7,165	1,250	8,927
Anthracite coal	short ton	282	1,877	270	1,880
Coke	short ton	5	60	4	52
Gasoline	Imp.gal.	9,153	2,109	20,828	4,941
Kerosene	Imp.gal.	3,169	592	1,274	204
Fuel oil	Imp.gal.	36,381	2,780	36,778	2,759
Wood	cord	11	73	19	128
Gas -- Manufactured	M cu. ft.	1,100	1,116	1,063	1,209
Other fuel .....	...	...	128	...	98
Electricity purchased	K.W.H.	1,283,554	24,922	1,462,737	26,322
TOTAL .....	...	...	41,842	...	47,604

Table 8 - POWER EQUIPMENT, 1939 and 1940

Kinds	1 9 3 9		1 9 4 0	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Gasoline, gas and oil engines	1	4	1	4
Electric motors operated by purchased power	295	2,057	300	2,039
TOTAL	296	2,061	301	2,043
Stationary boilers	7	346	5	241

Table 9 - MATERIALS USED IN MANUFACTURING, 1939 and 1940

Materials	Unit of measure	1 9 3 9		1 9 4 0	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Carbon black	lb.	771,349	39,094	696,265	38,606
Dry colours	lb.	1,649,656	541,367	1,374,507	555,035
Glue	lb.	92,802	23,198	86,438	22,228
Glycerine	lb.	227,665	33,474	170,986	27,358
Gums	lb.	193,372	19,091	259,820	33,365
Oils	gal.	505,068	82,769	587,420	118,239
Starch	lb.	116,731	7,233	92,587	4,972
Varnishes	Imp.gal.	221,813	296,982	232,114	273,158
Wax of all kinds	lb.	33,992	10,469	25,478	7,277
All other materials .....	...	...	399,356	...	316,392
Bottles, tops, brushes, etc. ....	...	...	199,354	...	202,188
TOTAL .....	...	...	1,438,418	...	1,601,838

Table 10 - PRODUCTS MADE, 1939 and 1940

Products	1 9 3 9		1 9 4 0	
	Quantity	Selling value at works \$	Quantity	Selling value at works \$
Inks, printing, mimeographing and lithographing	9,155,170	2,692,717	9,793,866	2,984,333
Inks, writing	271,374	...	276,330
Printers' rollers and composition	...	255,011	...	277,391
Mucilage and paste and paste powder	80,305	...	63,772
All other products (x)	155,544	...	197,353
TOTAL	3,454,951	...	3,799,179

(x) Includes carbon paper, typewriter ribbons, rubber stamp pads, stains, colours, and other commodities made as minor products by the ink manufacturers.

Table 11 - TOTAL PRODUCTION OF PRINTING INKS AND PRINTERS' ROLLERS IN CANADA, 1920 - 1940

Year	Printing inks		Printers' rollers and composition \$
	Pounds	\$	
1920 .....	...	1,459,054	216,923
1921 .....	...	1,176,056	202,232
1922 .....	...	1,356,262	173,915
1923 .....	...	1,335,492	214,827
1924 .....	...	1,351,008	206,574
1925	4,931,334	1,442,512	214,222
1926	5,687,860	1,554,835	222,976
1927	6,544,522	1,812,977	245,283
1928	7,607,566	2,026,337	280,764
1929	3,146,912	2,158,522	298,107
1930	8,691,735	1,951,245	247,829
1931	7,562,426	1,787,304	209,496
1932	7,218,257	1,679,775	194,360
1933	6,874,128	1,659,641	184,561
1934	3,476,108	1,949,573	196,255
1935	9,588,146	2,248,440	220,391
1936	9,805,286	2,367,307	244,745
1937	10,244,467	2,519,431	267,867
1938	9,353,410	2,448,710	255,784
1939	9,155,170	2,692,717	255,011
1940	9,793,866	2,984,333	277,391

Table 12 - TOTAL PRODUCTION OF WRITING INKS IN CANADA, 1932 - 1940

Year	Selling value at works
	\$
1932	341,613
1933	285,694
1934	273,471
1935	251,937
1936	262,700
1937	268,952
1938	257,369
1939	271,374
1940	276,330

Table 13 - IMPORTS OF INKS INTO CANADA, 1939 and 1940

	1939		1940	
	Pounds	Value \$	Pounds	Value \$
Printing inks	517,732	246,733	635,560	320,241
Writing inks .....	...	26,214	...	27,239
Rotogravure ink	4,375	2,241	2,240	345

DIRECTORY OF FIRMS IN THE INKS INDUSTRY, 1940

Names of Firms

Location of Plants

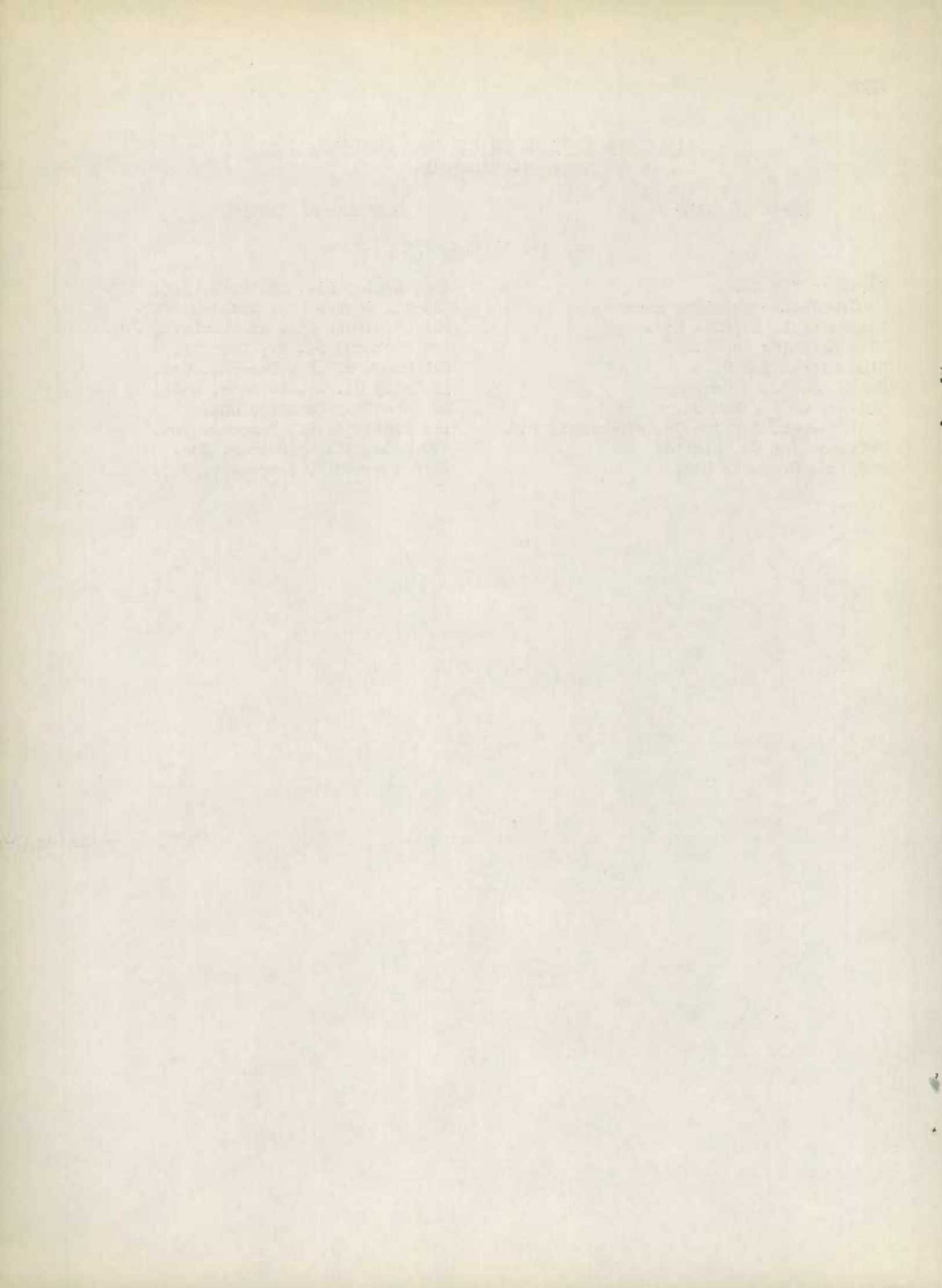
(a) PRINTING INKS AND ROLLERS

(x) Johnson, Ensley, B. Bedwell and Company Frontenac Ink Works Limited	45 Kennedy St., Saint John, N.B. 3413 Colonial Ave., Montreal, P.Q. 939 Cote St., Montreal, P.Q.
(x) Printcraft Supply Co.	304 William St., Montreal, P.Q.
(x) Robertson, J. S. Thorp-Hambrook Co. Ltd. Ault & Wiborg Co. of Canada, Ltd. Bush, Charles, Limited Canada Printing Ink Company Limited Canadian Fine Color Company Limited Dominion Printing Ink & Color Co. Ltd. Federal Inks Limited General Printing Ink Corp. of Canada Limited Hoops Printing Ink Co. Ltd. Manton Brothers, Ltd. Mimeograph Co. Ltd. Phoenix Ink Works Sinclair & Valentine Co. of Canada, Limited Winstone, B., & Sons (Canada) Limited	175 Lagauchetiere St. W., Montreal, P.Q. 2720 St. Patrick St., Montreal, P.Q. 32 Peter St., Toronto, Ont. 105 Davenport Road, Toronto, Ont. 15 Duncan St., Toronto 2, Ontario 240 Logan Ave., Toronto, Ont. 123 Pears Ave., Toronto, Ont. 40 St. Patrick St., Toronto, Ont. 176 John St., Toronto, Ont. 9 St. Clair Ave. E., Toronto, Ont. 105 Elizabeth St., Toronto, Ont. 189 John St., Toronto, Ont. 44 Lombard St., Toronto, Ont. 233 Richmond St. W., Toronto, Ont. 140 Kendal Ave., Toronto, Ont.
(x) Printers' Roller Co. Columbia Printing Ink & Roller Co. The Toronto Star Limited	175 McDermot Ave., Winnipeg, Man. 1350 Hornby St., Vancouver, B.C. 80 King St. W., Toronto, Ont.
(x) These firms did not manufacture inks but made printers' rollers, etc.	

DIRECTORY OF FIRMS IN THE INKS INDUSTRY, 1940
(Concluded)

Names of FirmsLocation of Plants(b) WRITING INKS

Carter's Ink Co.	4501 Drolet St., Montreal, P.Q.
La Cie Techno Chimique Masse	204 St. Joseph St., Lachine, P.Q.
Waterman, L. E., Co. Ltd.	231 St. James St., St. Lambert, P.Q.
Blue Bird Ink Co. Ltd.	124 Richmond St. W., Toronto, Ont.
Blue Ribbon Ink Co.	323 Queen St. W., Toronto, Ont.
Poole, J. E., & Company	18 Holly St. W., Toronto, Ont.
Reeves, L. A., Ink Co.	26 Soho St., Toronto, Ont.
Sheaffer, W. A., Pen Co. of Canada, Ltd.	139 Fleet St. W., Toronto, Ont.
Reliance Ink Co. Limited	520 McGee St., Winnipeg, Man.
Peerless Products Ltd.	2233 Yukon St., Vancouver, B.C.



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